

# GEAR-REDUCTION DEVICE, PARTICULARLY FOR MEASURING AND TRANSMITTING ROTARY AND SWIVEL MOVEMENTS

## ABSTRACT OF THE DISCLOSURE

1           A gear-reduction device for measuring and transmitting  
2 the movements of a rotary object has a sequential arrangement of  
3 wheel/pinion pairs. Each wheel/pinion pair consists of a gear  
4 wheel and a pinion that are rigidly connected to a common gear  
5 axle. At least part of the gear wheels lie in different  
6 parallel planes that are inclined at an oblique angle in  
7 relation to the plane of rotation of the rotary object. The  
8 gear wheels are of equal diameter, and each of the pinions  
9 drives the next following gear wheel. The first wheel in the  
10 sequence of wheel/pinion pairs is driven by the rotary object,  
11 while the last of the pinions drives a swivel-mounted optical  
12 angle-measuring device.

(Fig. 1)